



**STATE OF TENNESSEE
DEPARTMENT OF HEALTH
ENVIRONMENTAL LABORATORIES**

TDH: Lab Services JRL
Lab Services - Jackson Regional Lab
Jackson, TN 38301
731-426-0686

TDH: Lab Services KRL
Lab Services - Knoxville Regional Lab
Knoxville, TN 37920
865-549-5201

TDH: Lab Services NCL
Lab Services - Nashville Central Lab
Nashville, TN 37243
615-262-6300

Sent To: Steve Roberts
TDEC-DWS
Knoxville FO
3711 Middlebrook Pike
Knoxville, TN 37921

Lab ID: K00002079
Knoxville Regional Laboratory

Sampling Agency: TDEC: Division of Water Supply

Billing Code: 327.39-12

This is to certify that the following results were determined using good laboratory practices and in accordance with federal or state approved methodologies.

Analytical Supervisor

Lab-Sample Number: K00002079001

Project Name:

Sample Description: Finished

Sampler Project Name:

Project Site No.: Kingston WTP

Station No.:

Date/Time Collected: 12/23/2008 13:15

Sampler's Name: Steve Mauney

County: ROANE - 73

Sample Matrix: Drinking Water

EFO: Knoxville

Sampling Agency: TDEC-DWS

Billing Code: 327.39-12

Send Report To: TDEC-DWS

Agency Invoiced: TDEC-DWS

Priority Date:

Date/Time Received: 12/23/2008 14:40

Received By: E McCrary

Field Determinations

pH:

Chlorine, residual:

Conductivity:

Temperature:

Dissolved Oxygen:

Other:

Flow: CFS

TEST: Alkalinity, Total		METHOD: SM 2320 B				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Alkalinity	53	mg/L	10	10	L Baker	12/30/2008

TEST: Chloride		METHOD: SM 4500-CL B				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Chloride	17	mg/L	1	1	J Grosenbeck	12/30/2008

TEST: Fluoride		METHOD: SM 4500-F C				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Fluoride	1.3	mg/L	0.05	0.5	L Baker	12/30/2008

TEST: Hardness, Calcium		METHOD: SM 3500-Ca D				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Calcium hardness	44	mg/L	2	2	J Grosenbeck	12/29/2008

TEST: Nitrate and Nitrite		METHOD: EPA 353.2				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Nitrate and Nitrite	0.44	mg/L	0.006	0.01	M Chen	12/30/2008

TEST: Residue, Dissolved		METHOD: SM 2540C				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Dissolved Solids	106	mg/L	10	10	J Grosenbeck	12/29/2008

Lab-Sample Number: K00002079001

Project Name:

Sample Description: Finished

Sampler Project Name:

Project Site No.: Kingston WTP

Station No.:

Date/Time Collected: 12/23/2008 13:15

Sampler's Name: Steve Mauney

County: ROANE - 73

Sample Matrix: Drinking Water

EFO: Knoxville

Sampling Agency: TDEC-DWS

Billing Code: 327.39-12

Send Report To: TDEC-DWS

Agency Invoiced: TDEC-DWS

Priority Date:

Date/Time Received: 12/23/2008 14:40

Received By: E McCrary

Field Determinations

pH:

Chlorine, residual:

Conductivity:

Temperature:

Dissolved Oxygen:

Other:

Flow:

CFS

TEST: Sulfate		METHOD: SM 4500-SO4 E					
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE	
Sulfate	18	mg/L	2.5	5	J Grosenbeck	12/30/2008	

J - Estimated value between MDL and MQL

MDL - Method Detection Limit

MQL - Method Quantitation Limit

U - Undetected

Lab-Sample Number: K00002079002
Project Name:
Sample Description: Raw
Sampler Project Name:
Project Site No.: Kingston WTP
Station No.:
Date/Time Collected: 12/23/2008 13:15
Sampler's Name: Steve Mauney
County: ROANE - 73
Sample Matrix: Drinking Water
EFO: Knoxville
Sampling Agency: TDEC-DWS
Billing Code: 327.39-12
Send Report To: TDEC-DWS
Agency Invoiced: TDEC-DWS
Priority Date:
Date/Time Received: 12/23/2008 14:40
Received By: E McCrary

Field Determinations

pH:
Chlorine, residual:
Conductivity:
Temperature:
Dissolved Oxygen:
Other:
Flow: CFS

TEST: Alkalinity, Total		METHOD: SM 2320 B				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Alkalinity	54	mg/L	10	10	L Baker	12/30/2008

TEST: Chloride		METHOD: SM 4500-CL B				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Chloride	8	mg/L	1	1	J Grosenbeck	12/30/2008

TEST: Fluoride		METHOD: SM 4500-F C				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Fluoride	0.07J	mg/L	0.05	0.5	L Baker	12/30/2008

TEST: Hardness, Calcium		METHOD: SM 3500-Ca D				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Calcium hardness	44	mg/L	2	2	J Grosenbeck	12/29/2008

TEST: Nitrate and Nitrite		METHOD: EPA 353.2				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Nitrate and Nitrite	0.41	mg/L	0.006	0.01	M Chen	12/30/2008

TEST: Residue, Dissolved		METHOD: SM 2540C				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Total Dissolved Solids	91	mg/L	10	10	J Grosenbeck	12/29/2008

Lab-Sample Number: K00002079002
Project Name:
Sample Description: Raw
Sampler Project Name:
Project Site No.: Kingston WTP
Station No.:
Date/Time Collected: 12/23/2008 13:15
Sampler's Name: Steve Mauney
County: ROANE - 73
Sample Matrix: Drinking Water
EFO: Knoxville
Sampling Agency: TDEC-DWS
Billing Code: 327.39-12
Send Report To: TDEC-DWS
Agency Invoiced: TDEC-DWS
Priority Date:
Date/Time Received: 12/23/2008 14:40
Received By: E McCrary

Field Determinations

pH:
Chlorine, residual:
Conductivity:
Temperature:
Dissolved Oxygen:
Other:
Flow: CFS

TEST: Sulfate		METHOD: SM 4500-SO4 E				
ANALYTE	RESULT	UNITS	MDL	MQL	ANALYZED BY:	DATE
Sulfate	16	mg/L	2.5	5	J Grosenbeck	12/30/2008

J - Estimated value between MDL and MQL

MDL - Method Detection Limit

MQL - Method Quantitation Limit

U - Undetected